

Attach To Contract Document

**New York City Department of Transportation
Division of Bridges
Office of Consultant Programs**

**Resident Engineering Inspection Services In Connection
With Rehabilitation of the Roosevelt Avenue Bridge
Over the Van Wyck Expressway**

**Contract: HBQ1203A
PIN: 84110QUBR437**

**Addendum #1
May 17, 2010**

**Please be advised NO further questions will be entertained on this
procurement**

This Addendum Is Hereby Made Part of the Contract Documents

NOTE:

Attached please find:

- 1. Addendum No. 1**
- 2. Responses to Questions raised During Pre-Proposal Conference**
- 3. Copy of Pre-Proposal Presentation**
- 4. Copy of Sign-In Sheet**
- 5. Acknowledgement Receipt Of Addendum #1**

**Resident Engineering Inspection Services In Connection
With Rehabilitation of the Roosevelt Avenue Bridge
Over the Van Wyck Expressway
Contract: HBQ1203A
PIN: 84110QUBR437**

Questions & Answers:

Q1. Can we get a copy of the PowerPoint Presentation by R.B. which was given during the Pre-Proposal Conference? (Electronic Version Preferred)

A1. Yes (See Attached)

Q2. Who is the Design Engineer (Consultant)?

A2. The Design Engineer (Consultant) currently working on this project is Parsons/Urbitran Joint Venture.

Q3. It was mentioned that there should be no interruption to the MTA #7. To what extent?

A3. Complete simultaneous shutdown of all three (3) tracks on the MTA-NYCT #7 Subway Line will not be permitted. However, the NYCT will permit individual track closure at certain dedicated times in the event that it is absolutely necessary for the Contractor to perform construction operations affecting NYCT structure.

Q4. Is the 18%, for the DBE, for Hours or Total Cost?

A4. The 18% DBE goal will be enforced based on the total cost of the Contract.

Q5. Is Bridge Inspection Part of REI Services During Construction?

A5. CSS will be responsible for inspection of the existing structure during construction. REI ("Consultant") shall be involved in evaluation of any structural element for stability during construction, as required by NYCDOT.

Q6. What is the extent of Material Testing?

A6. The Consultant is responsible for the following:

- **Verification and documentation of all material arriving at the site. When applicable, the Consultant shall take samples of appropriate material including on-site testing for concrete and asphalt, i.e. Slump test, Air content, temperature and preparation of cylinders etc.**
- **Under this contract, the consultant shall provide a hazardous waste management team (HWMT) which will be involved in all hazardous waste issues, including testing of paint, air monitoring and surface soil testing as part of the detailed quality assurance plan for NYCDOT (see attachment 1 of the RFP).**
- **The Consultant shall ensure that the material used on the bridge and the workmanship employed in all fabrication and installations are in accordance with Contract Plans and Specifications. Also, the Consultant team will provide off-site plant inspection services of manufactured, fabricated and/or raw material used on the project, as required by NYCDOT.**
- **Coordination with NYCDOT-QA will be required by the Consultant team to initiate shop inspections for each fabricator, monitor inspection reports and proper record keeping of all approved materials, vendors and suppliers.**
- **Reports of testing by independent laboratories (hired by others) along with material certifications, certified test reports and other required documentation submitted by the Contractor will be reviewed and recorded by the Consultant for the acceptance of materials. If any material or workmanship associated with it does not comply with the specifications, the Contractor and the Project Engineer will be verbally notified immediately and then confirmed in Writing.**
- **In addition, the Consultant will be responsible for any material testing services as directed by the City.**

Q7. Is radiographic inspection of butt welds part of the tasks the lab will be asked to perform?

A7. "NYSDOT Standard specifications for Construction and Materials" and "Bridge Welding Code" dictates that the Contractor is responsible for all non-destructive testing of welding during production, preparation and repairs of the materials. If such testing is not specified in the original contract document, the Contractor shall perform any test as requested by the Engineer and/or required by the NYCDOT. Please refer to Section 6.6 of the "Bridge Welding Code" for further details.

- **The Consultant perform visual inspection and the acceptance will be based on the documentations provided by the Contractor.**

Q8. At the top of page GR-7 in the RFP, a generic description of the work the Senior as well as the Compliance Specialist is written. Can you elaborate on the tasks that make these half and full time Positions?

A8. The following two positions will be required by the Consultant for the performance of this task, as directed by the NYCDOT Office of Contract Compliance:

- 1. Senior Compliance/Director (Required for 50% of the Contract Duration)**
- 2. Compliance Specialist (Required for 100% of Contract Duration)**

The work shall include, but will not be limited to performance of all intermediate compliance reviews, tracking, and reporting in confirmation with the current Federal and State Equal Employment Opportunity (EEO), and Disadvantage Business Enterprise (DBE) regulations during the Rehabilitation of Roosevelt Avenue Bridge over Van Wyck Expressway (Contract no. HBQ1203A). The work will be directed by the Consultant, and in cooperation with NYCDOT Office of Contract Compliance.

The work shall also include but not limited to the following tasks:

- Review of all payrolls for compliance with EEO and prevailing wage requirements.**
- Inspection of Construction site for conformance of the work executed by the DBE as per the work reported to the Office of Contract compliance.**
- Provide training to Consultant, Contractor (including his subcontractors) on DBE programs EEO regulations and the ensuing reporting requirements.**
- Attend progress meetings, as when requested by the Consultant and OCC.**
- Prepare, and Submit periodic progress reports, regulatory forms and other submittals as needed and are required for compliance with the current Federal, State and City regulations.**
- Any other incidental work necessary to ensure that the Contract is in conformance, in terms of all reporting, with all Federal, State, and City promulgated DBE, EEO and Prevailing Wage requirements.**
- Any other tasks required in meeting with the requirements specified by the NYCDOT Office of Contract Compliance.**

Q9. Where is the delineation between rail related work, if any, and the work of this contract?

A9. The removal of the roadway deck and barrier will make it possible to inspect the base of the NYCT columns and to determine the extent of structural repairs required to be performed by the contractor. Any structural repairs required to NYCT columns will be included under NYCDOT construction Contract.

Q10. Is it anticipated that the Contractor may "foul" the railroad right-of-way with his operations?

A10. It is anticipated that the Contractor will take every precaution and measure to insure that he will not "foul" the railroad right- of- way. Furthermore, the construction contract will include provisions in it in which the contractor will abide and comply with NYCT requirements during the execution of the construction contract.

Q11. On SR-2 of the RFP, the last bulleted item indicates coatings (paint) removal and containment. What is the extent and where is the delineation between painting required for this project and that of the rail line overhead?

A11. Coating removal, containment and painting of the NYCT structure (Upper Level) are not part of the construction contract.

Q12. Will Preliminary Plans be made available for consultants to review?

A12. Yes, Preliminary Plans are available for review. Kindly, contact Mr. Frank Oliveto Office of Consultants Programs at 212-839-6317 to set up an appointment.

Q13. Can we get a copy of the Sign-in Sheet?

A13. Yes, sign-in-sheet is attached.

Q14. Please Specify the types of experiences and number of years required for the Resident Engineer.

A14. Years of experience required

- **The Resident Engineer assigned to the project shall have ten (10) years of bridge construction experience, of which a minimum of six (6) years served as Resident Engineer (RE) on a Bridge Rehabilitation Project.**
- **Project Manager Min. 15 years of experience incl. 8 years in Bridge construction.**

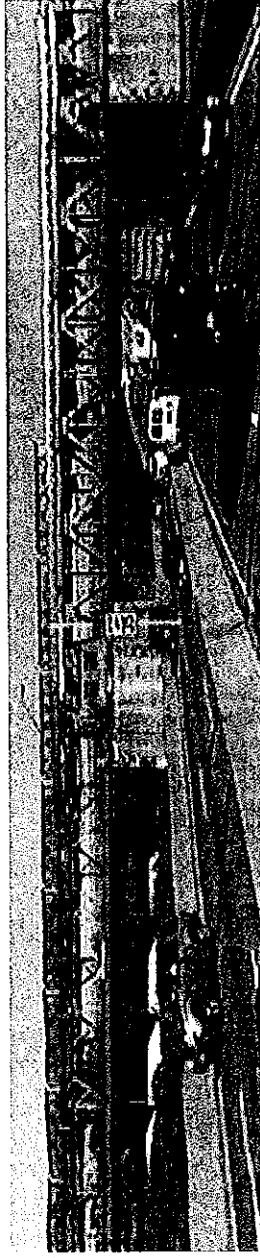
Type of experience required

- **Experience with NYSDOT and NYCDOT bridge rehabilitation projects**
- **Managing complex projects in highly populated area (Metropolitan)**
- **Dealing with multiple agencies, including NYCT, NYSDOT and community groups.**

Q15. In order to aid our efforts in participating as a DBE sub-consultant, please identify the design consultant for the subject project as well as the engineer's estimate, if available.

A15. The Design Engineer (Consultant) currently working on this project is Parsons / Urbitran Joint Venture. The Engineer's Estimate will not be made available.

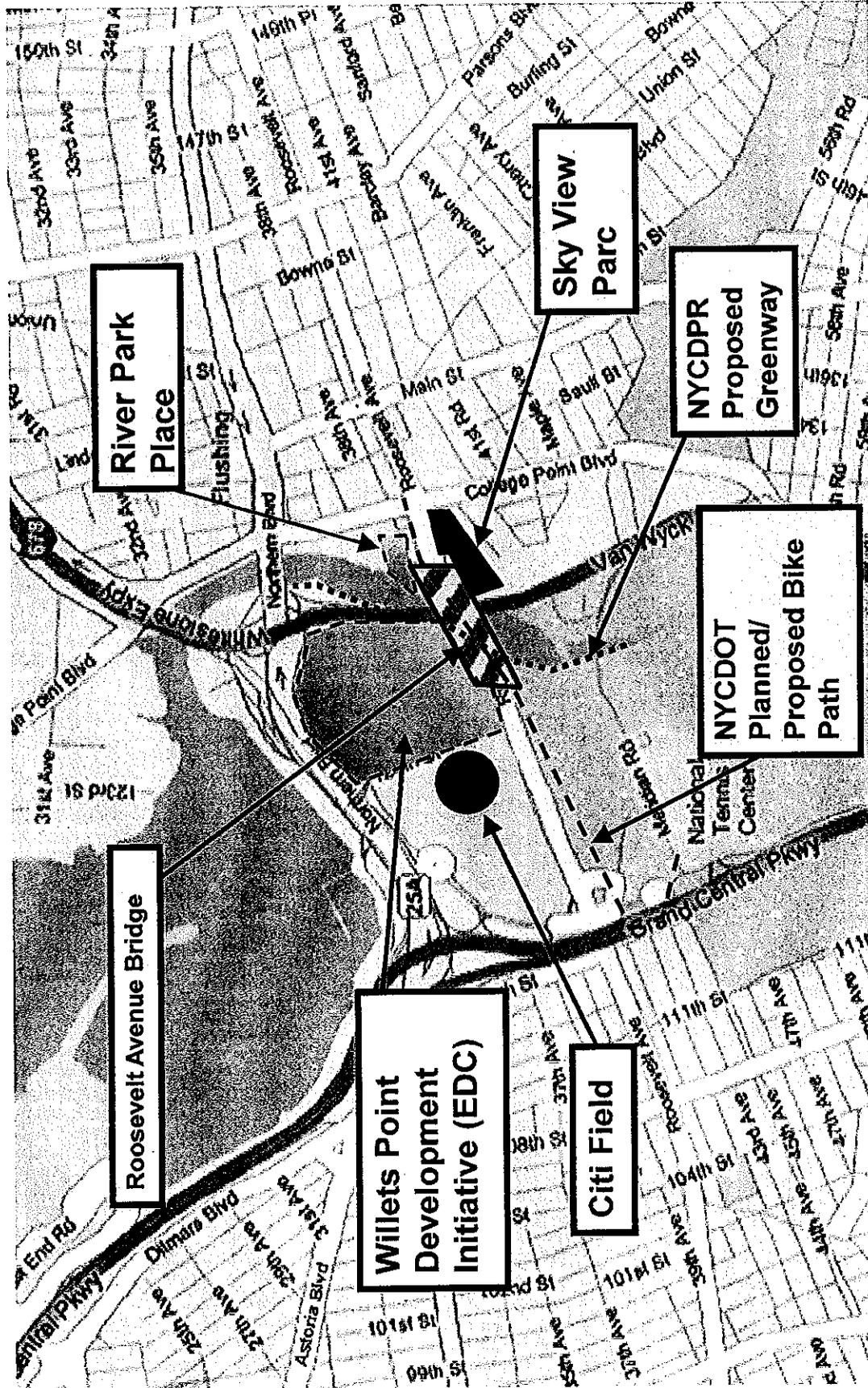
Roosevelt Avenue Bridge over
Van Wyck Expressway
Borough of Queens



Pre-Proposal Conference
Resident Engineering and Inspection Services

Contract No.: HBQ1203A
BIN: 2-24050-7

May 6, 2010



River Park Place

Sky View Parc

NYCDPR Proposed Greenway

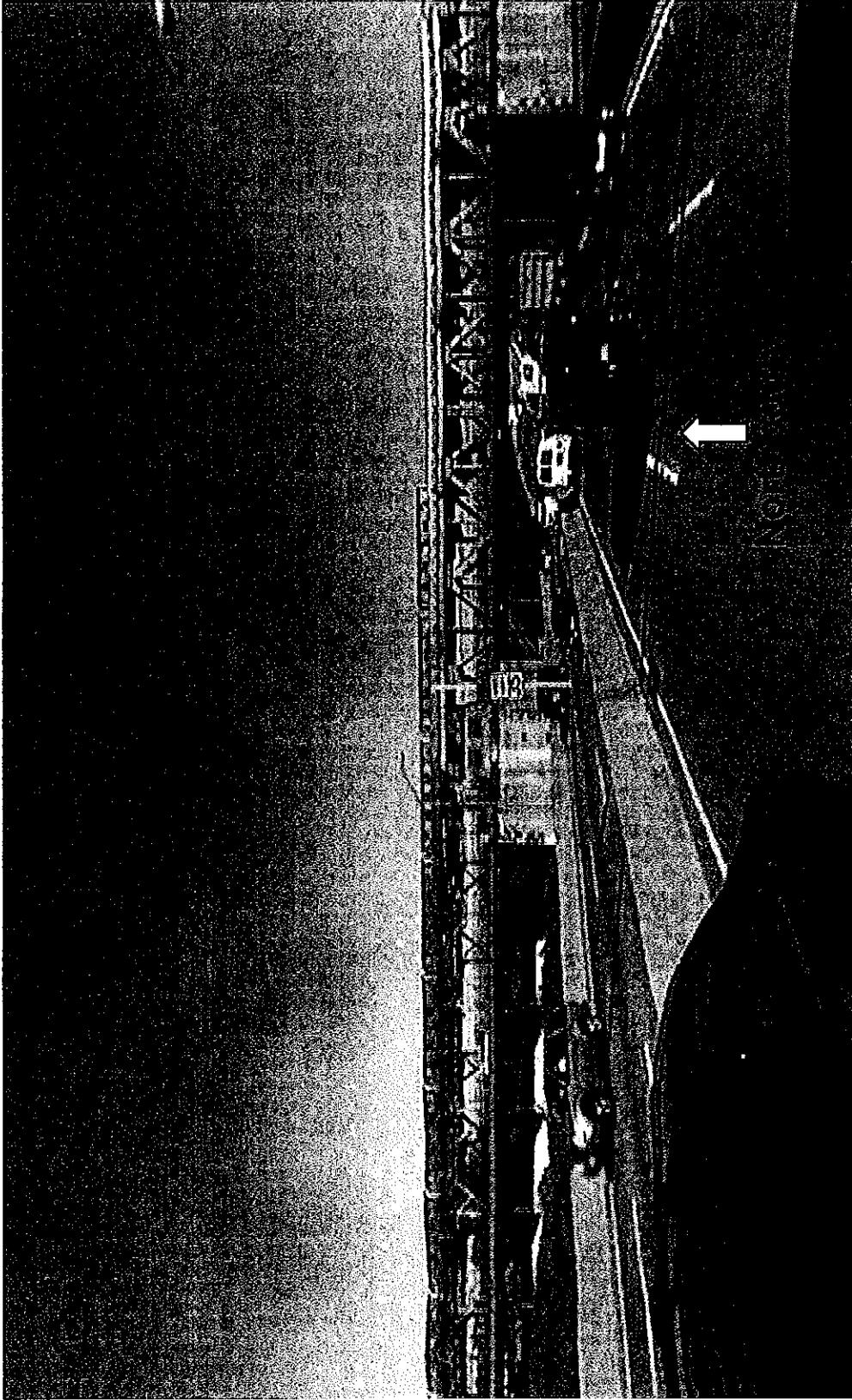
NYCDOT Planned/Proposed Bike Path

Roosevelt Avenue Bridge

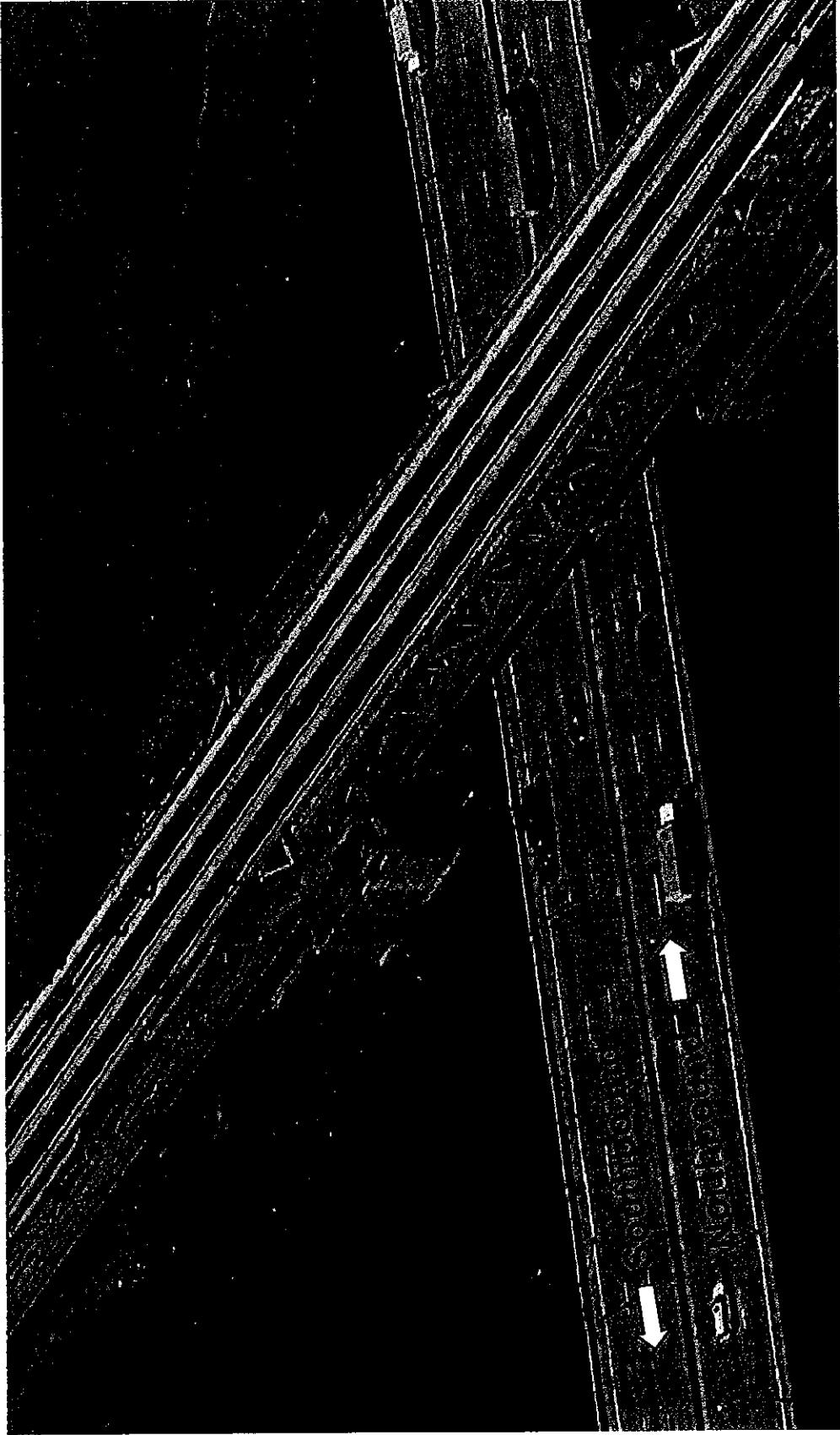
Willets Point Development Initiative (EDC)

Citi Field

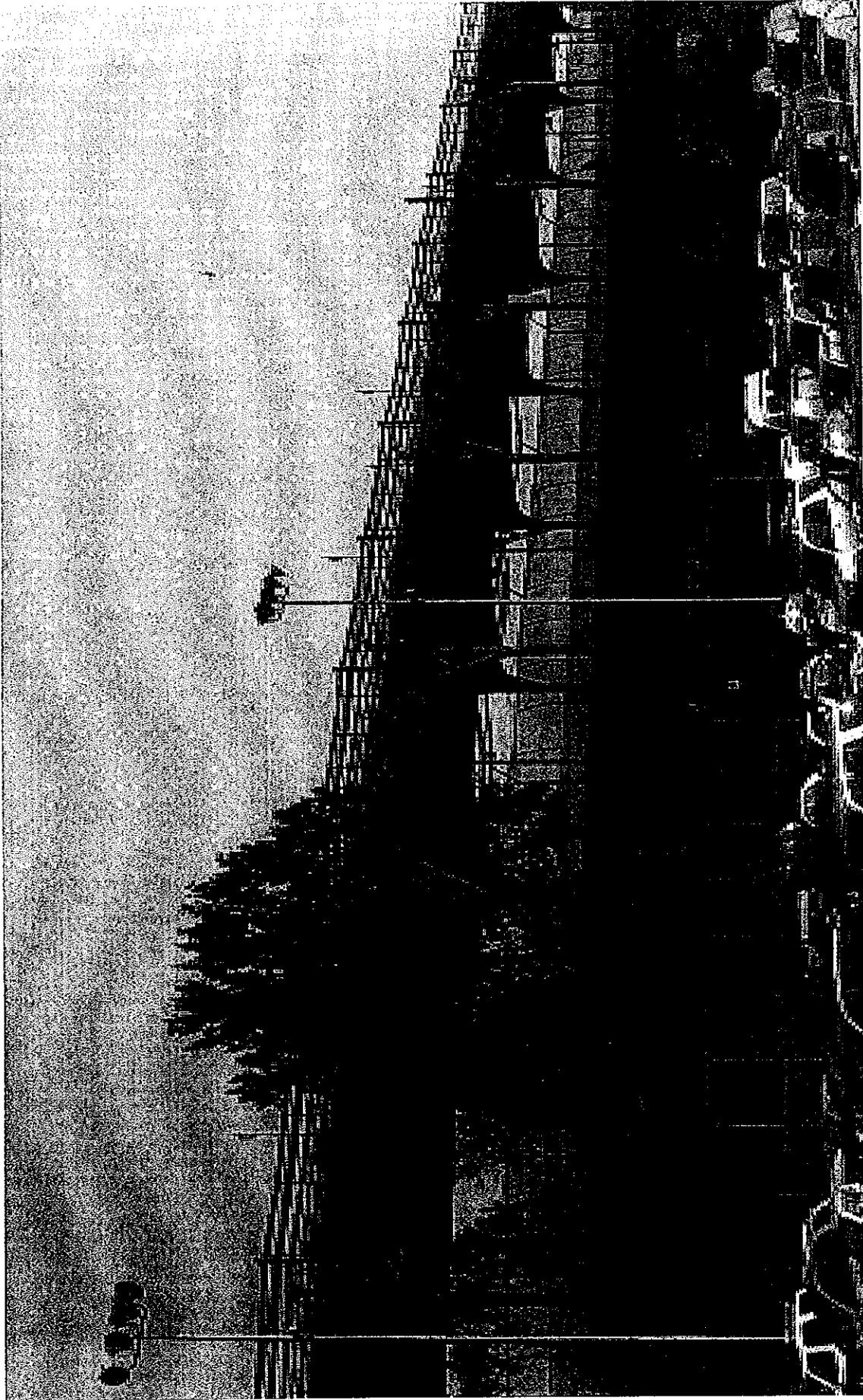
LOCATION - LAND USE MAP



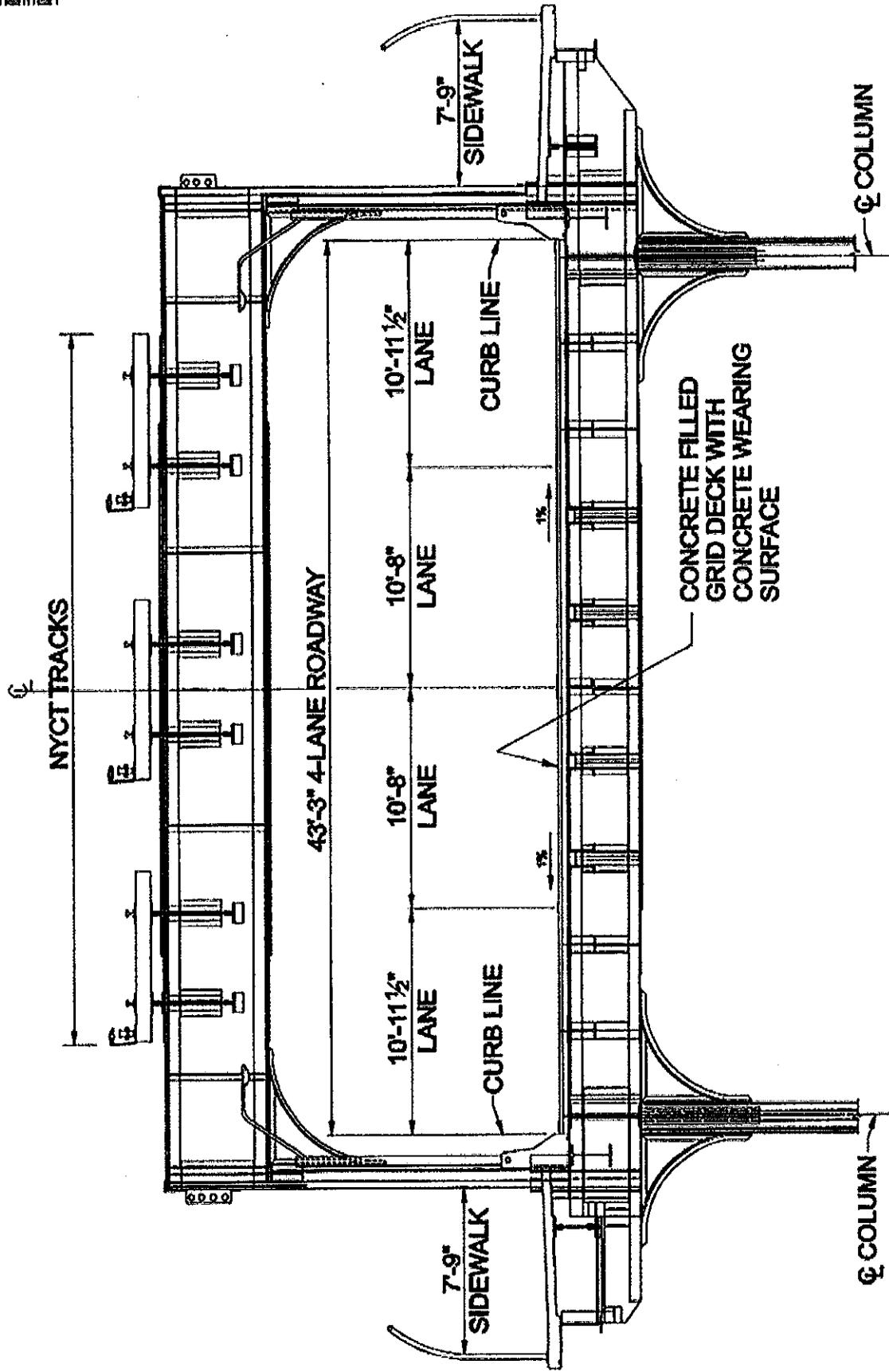
**Roosevelt Avenue Bridge
(Looking North from Van Wyck Expressway)**



**Roosevelt Avenue Bridge Over the Van
Wyck Expressway**



**Roosevelt Avenue Viaduct with Transit
Structure above**



EXISTING VIADUCT CROSS SECTION

ROOSEVELT AVE. BRIDGE DESCRIPTION

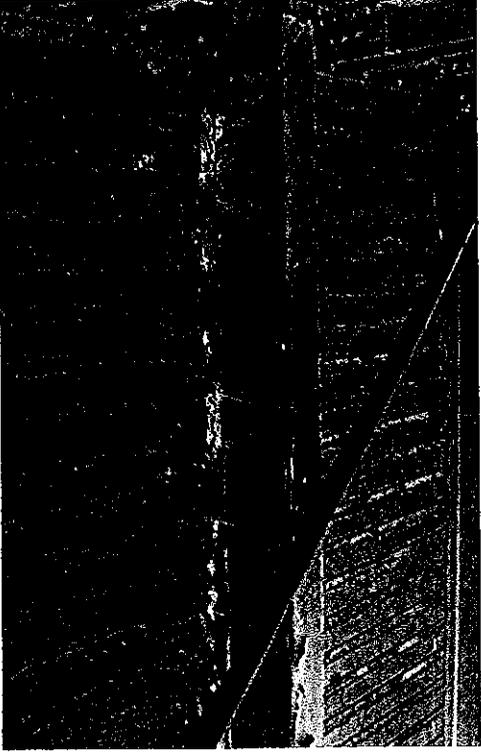


- Originally built between 1925 through 1927
- 26-span steel structure, approx. 1,400 ft. long
- Approach viaducts and a double-leaf bascule span (locked in place) over the Van Wyck Expressway and Flushing River
- 4 lane roadway & sidewalks on lower level
- 3 subway tracks (#7 Line) on the upper level
- Average Daily Traffic -- 20,000 vehicles (6% trucks)
- No major utilities on the viaduct and bascule spans, except for NYCT cables attached to upper level

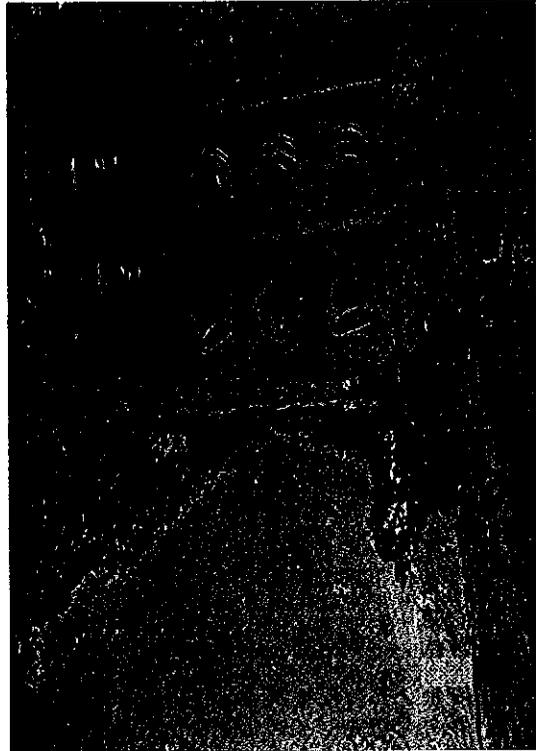
BRIDGE CONDITIONS



Deteriorated roadway surface



Deteriorated underside of bridge deck

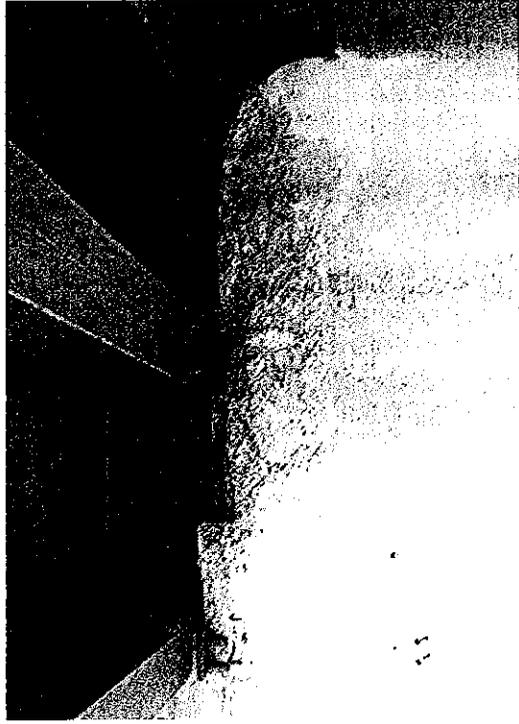


Corroded steel



Corroded steel

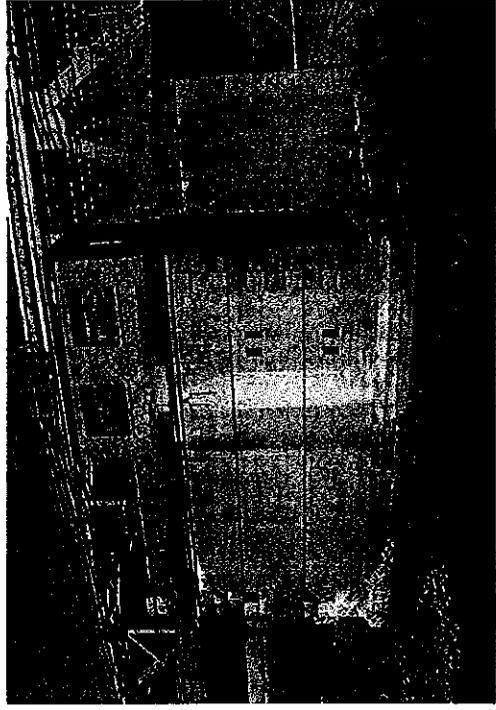
BRIDGE CONDITIONS



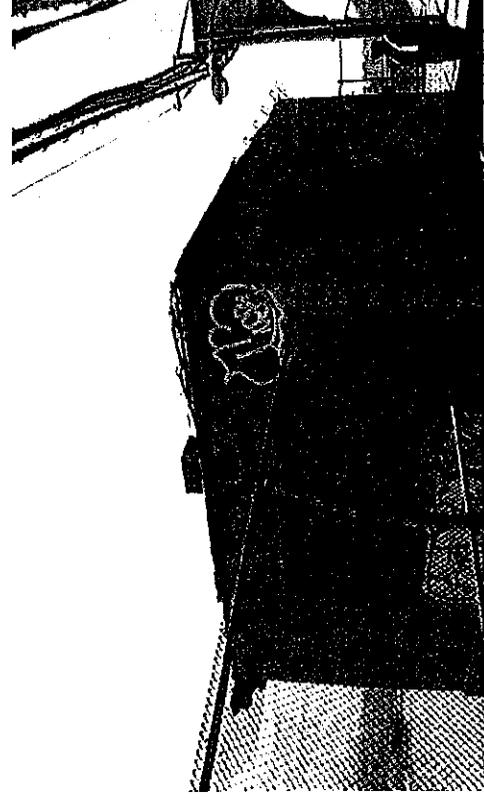
Deteriorated bridge seats



Vegetation and graffiti on abutments



Deteriorated masonry piers

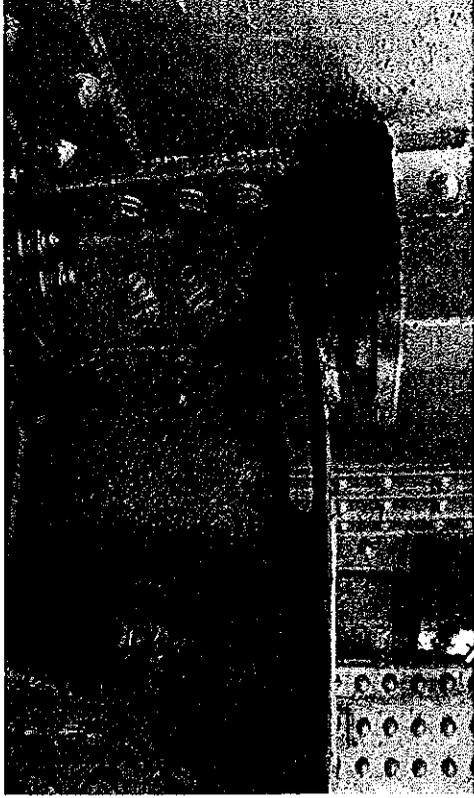


Abandoned operator houses

BRIDGE CONDITIONS



Missing deck joint seal at joint opening



Corrosion hole at stringer



Stringers temporarily shored

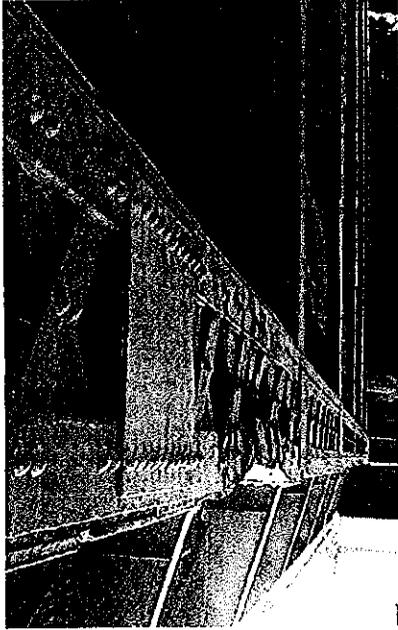
BRIDGE CONDITIONS



Leaching and efflorescence in abutment chamber



Floating debris at bascule pier



Impact damage at bottom truss chord

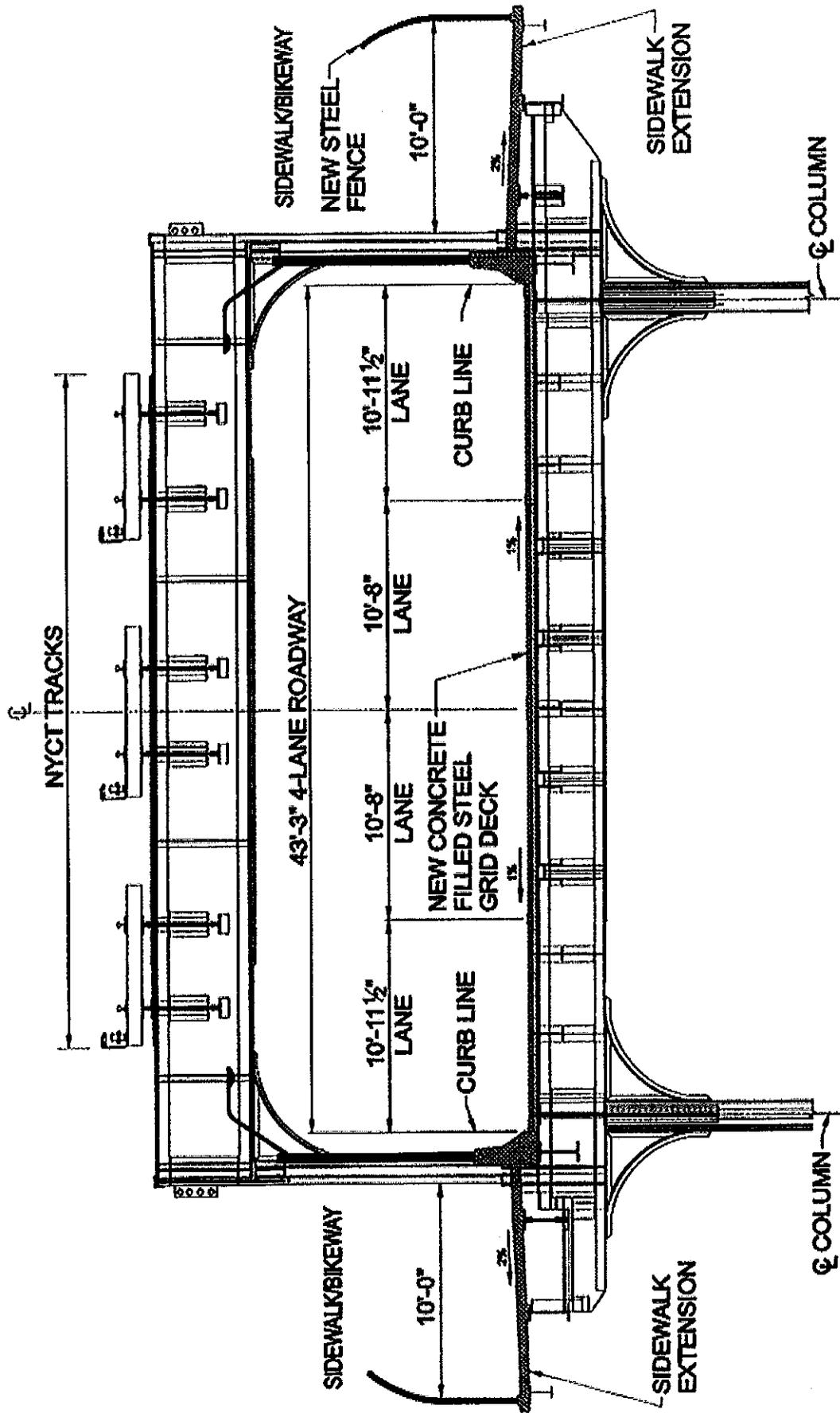


Undermining of bridge seat



NEED FOR PROJECT

- **Roadway and bridge deck are in poor condition.**
- **Welds between deck and steel beams are overstressed under truck loads.**
- **Steel structure requires localized repairs and painting.**
- **Abutment walls and piers need restoration and repairs.**
- **Abandoned operator houses need to be removed.**



BRIDGE CROSS-SECTION AFTER REHABILITATION



PROJECT OBJECTIVES & SCOPE

Objectives:

- Bring the structure to a state of good repair.
- Extend useful service life of the bridge.
- Improvements for the public

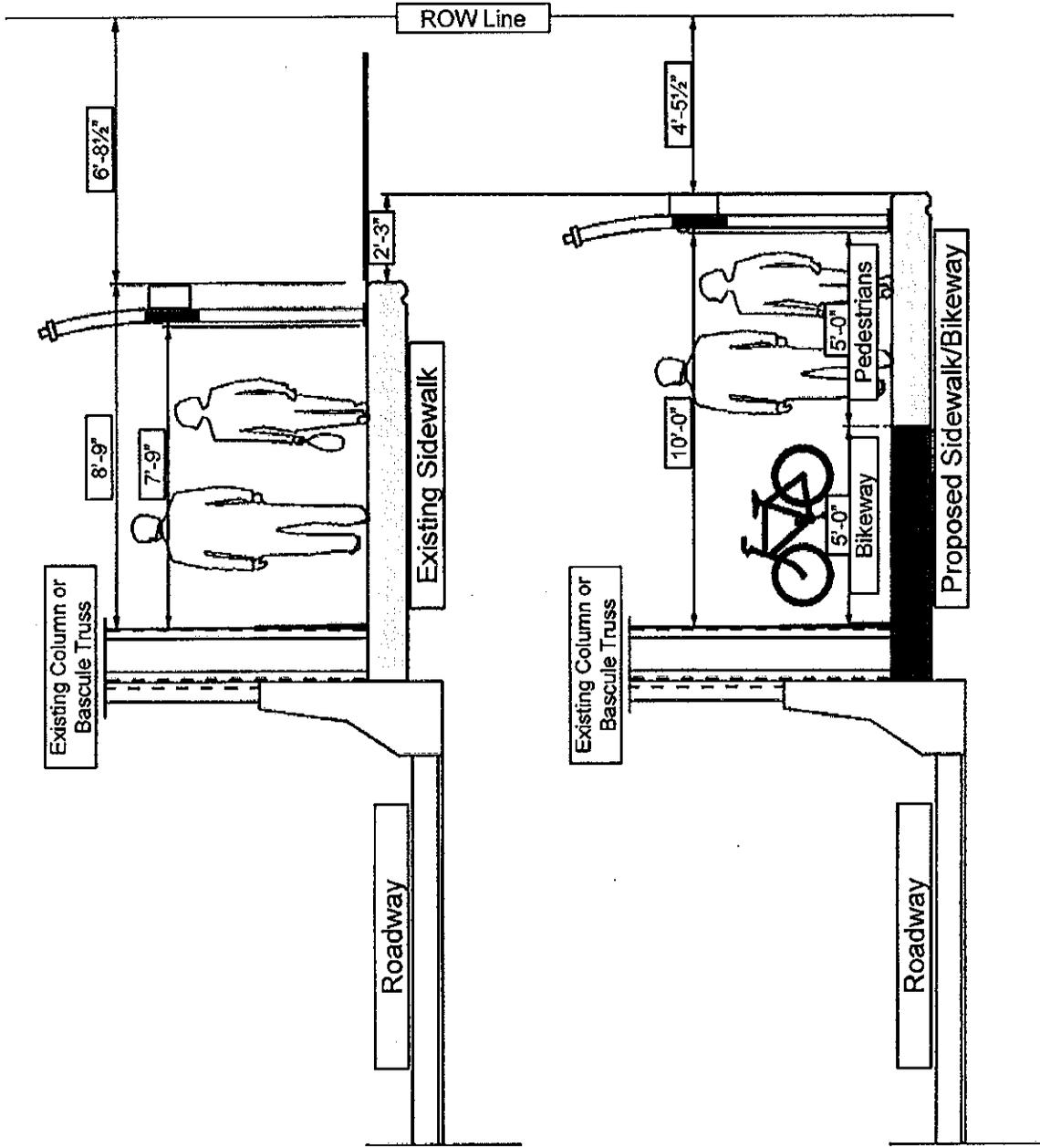
Scope of Work:

- Remove existing bridge deck and steel deck joints.
Install new concrete fill steel grid deck with wearing surface.
- Replace steel stringers and girder bearings on viaduct span. Repair existing stringers in the bascule span as needed.
- Widen sidewalks to accommodate pedestrians and bikeways.

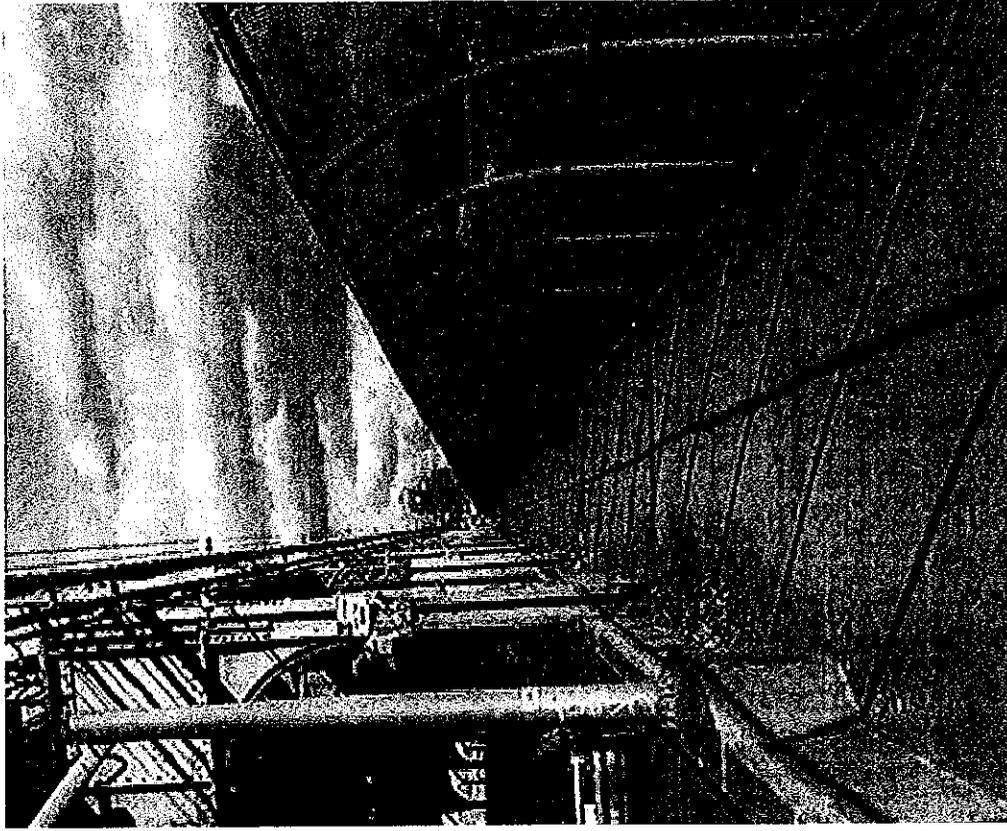


SCOPE OF WORK (Continued)

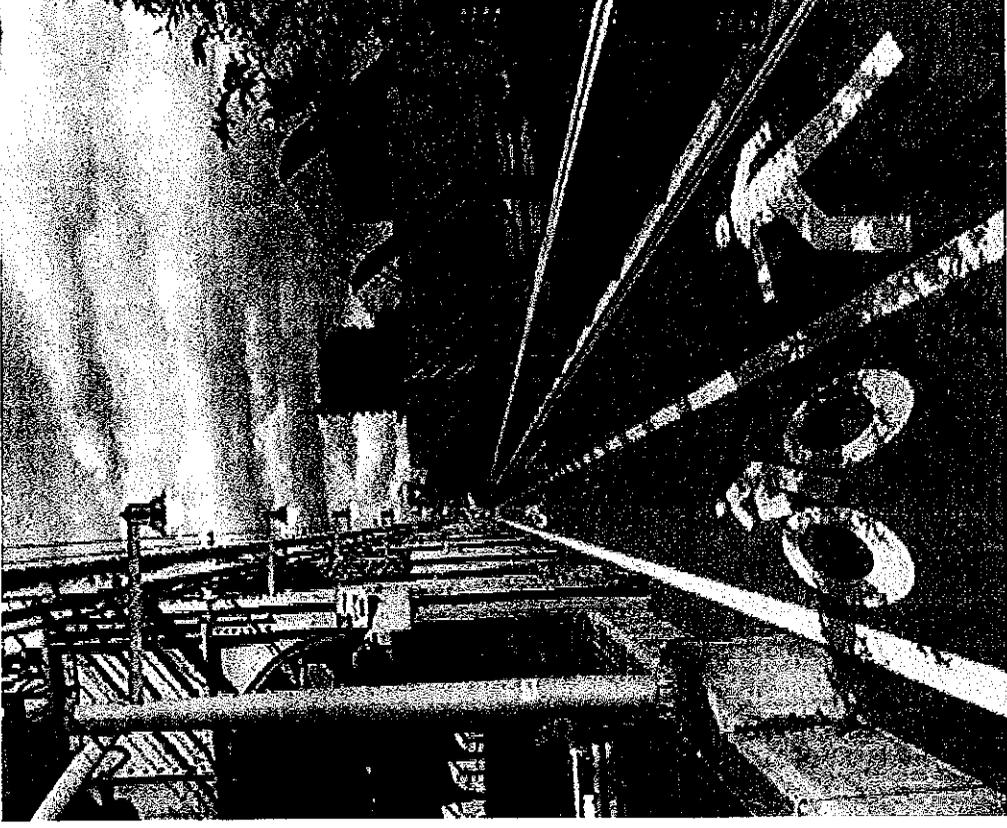
- **Repair/reinforce damaged bottom chords of the steel truss in the bascule span**
- **Seismic retrofit and repairs to the roadway structure**
- **Repair and re-point the deteriorated and missing mortar of the stone masonry of the east and west bascule piers at waterline and tidal zones**
- **Remove cracked, delaminated, hollow sounding concrete and spalls from the substructure**
- **Repairs of cellular abutment and filling of counterweight pits of the bascule piers with lightweight concrete**
- **Reconstruct the deteriorated end of the north retaining wall at the east approach**
- **Demolish and remove the operator's control house**
- **Electrical repairs and installation of new lighting polls and junction boxes**
- **Sand blasting, lead removal containment and painting of steel structural elements of the lower level viaduct and the bascule structure**



Typical Sidewalk/Bikeway

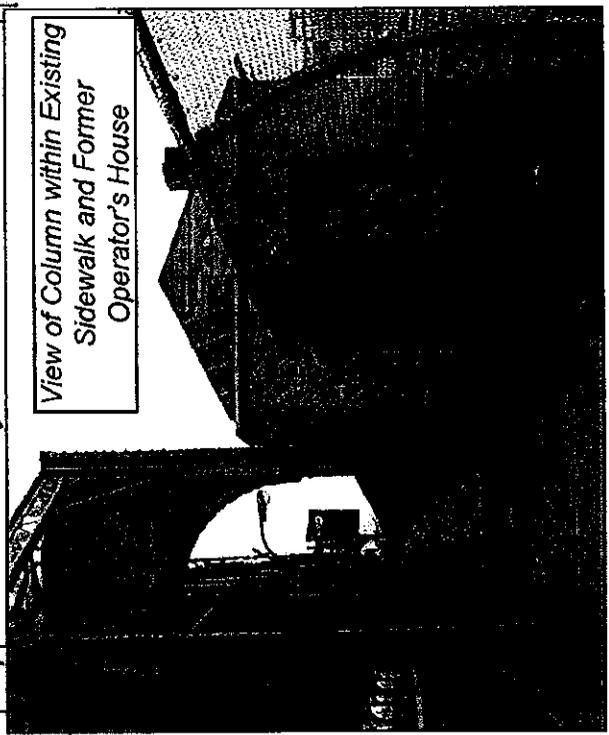
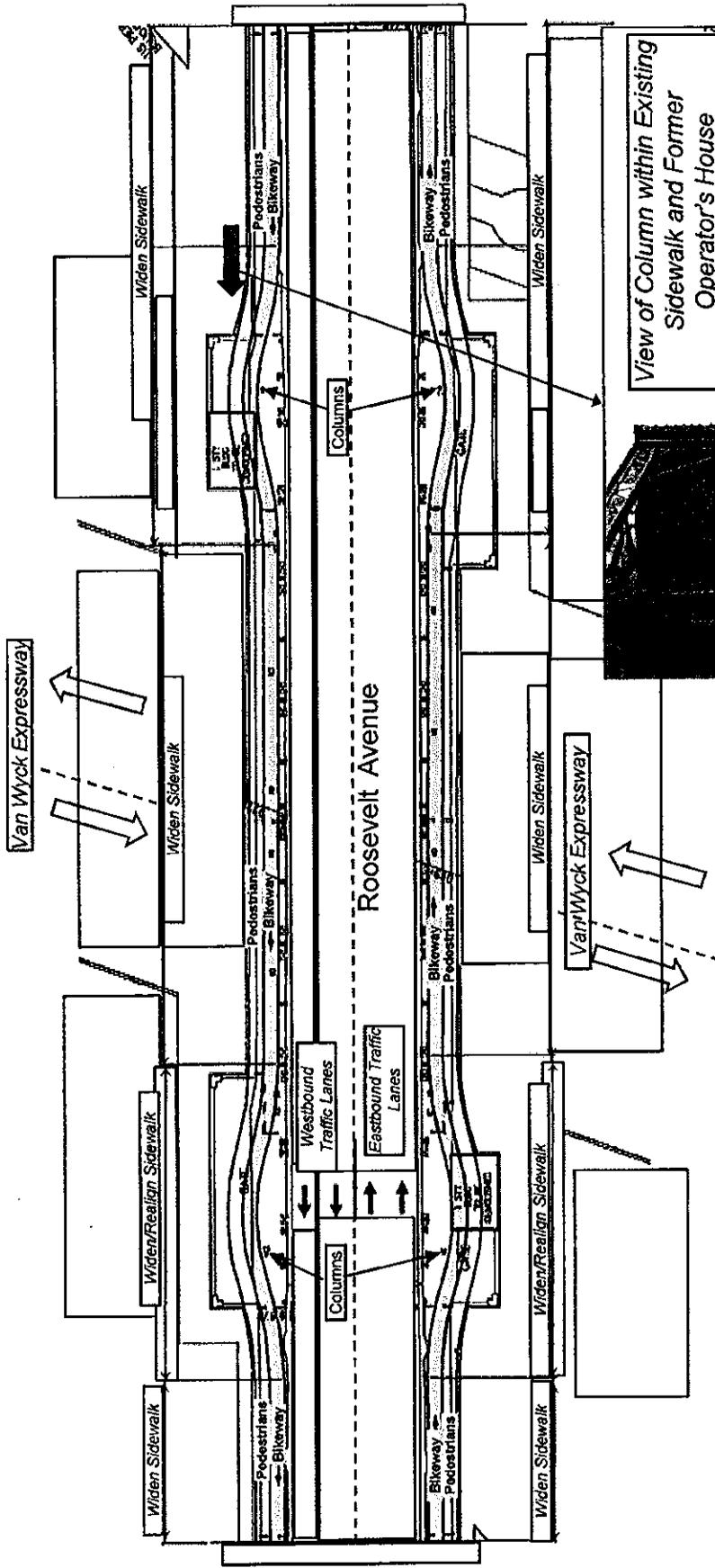


Existing



Proposed

Typical Sidewalk/Bikeway



View of Column within Existing Sidewalk and Former Operator's House

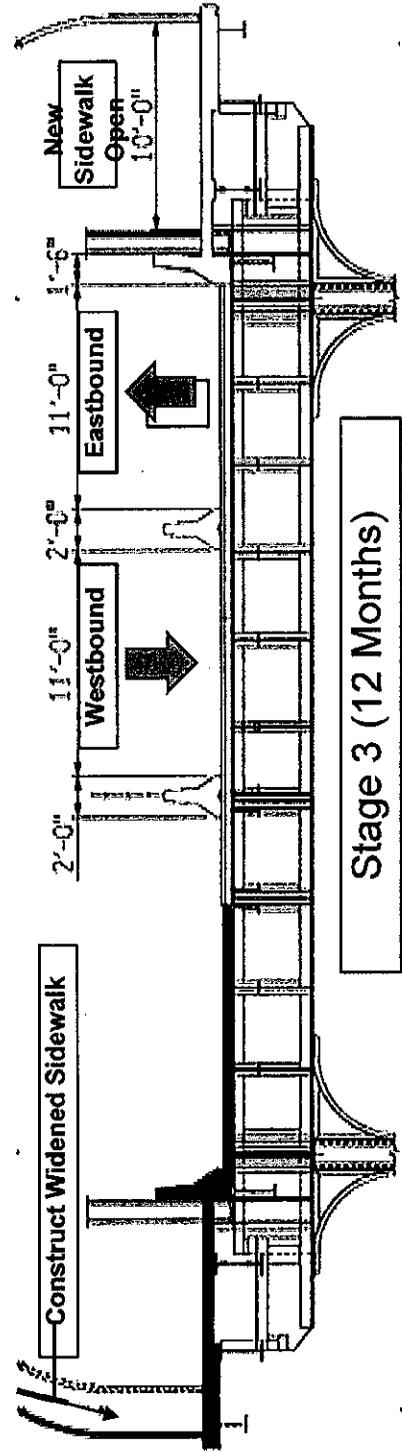
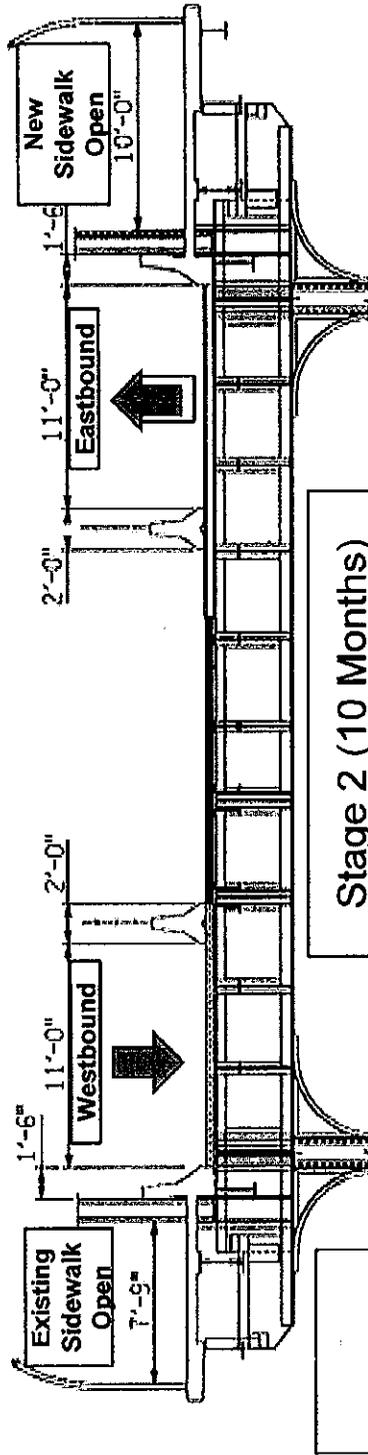
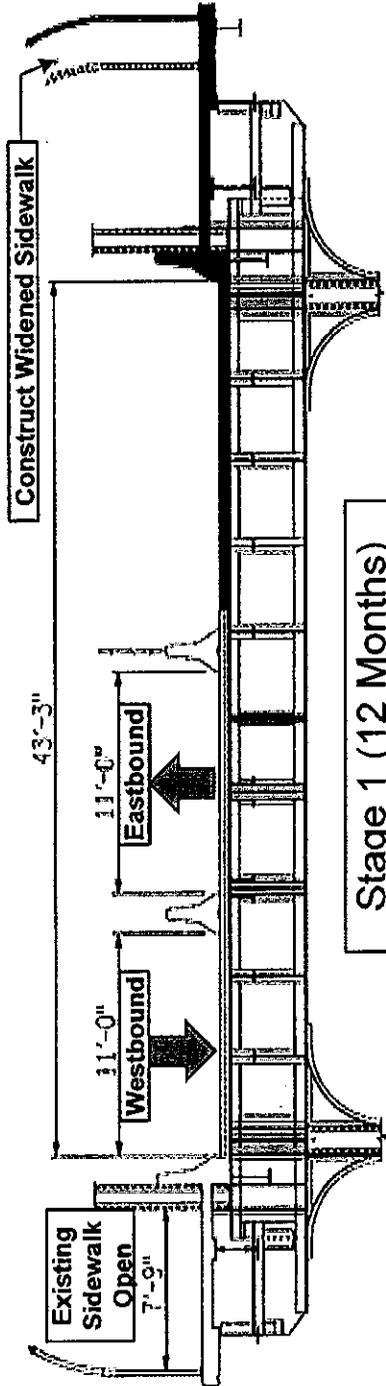
Bikeway Layout at the Piers

Construction Staging

Construction Zone

Traffic Lane During Construction

Construction Duration: 34 Months





Mitigation

- **Traffic enforcement agents**
- **126th Street & Sky View Parc garage entrance**
- **Critical intersections**
- **VMS signs**
- **Optimizing signal timing**
- **24/7 tow trucks service**
- **Incentive/disincentive clause**
- **Protection for the transit structure**



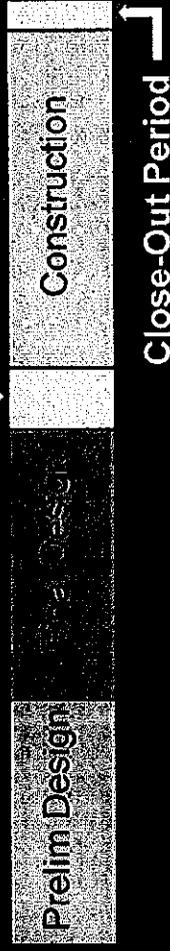
Public Outreach During Construction

- **Community Liaison**
- **Updates to:**
 - **Community Boards**
 - **Elected officials**
- **Public Information: (multi-lingual)**
 - **Project brochure**
 - **Newsletter**
 - **Press release**
 - **Web updates**
- **Emergency Services**
- **New York Mets (Citi Field)**
- **U.S. Tennis Center**

Project Schedule

2008 2009 2010 2011 2012 2013 2014

Pre-Construction Stage ↗



**Roosevelt Avenue
Bridge Project**

Citi Field

Sky View Parc

Willets Point Development

River Park Place

Development Schedule to be Determined ↗

Development Schedule to be Determined ↗



REI Constructability Review

- REI Consultant to review Plans and Specifications during final design phase
- Prepare written report of findings



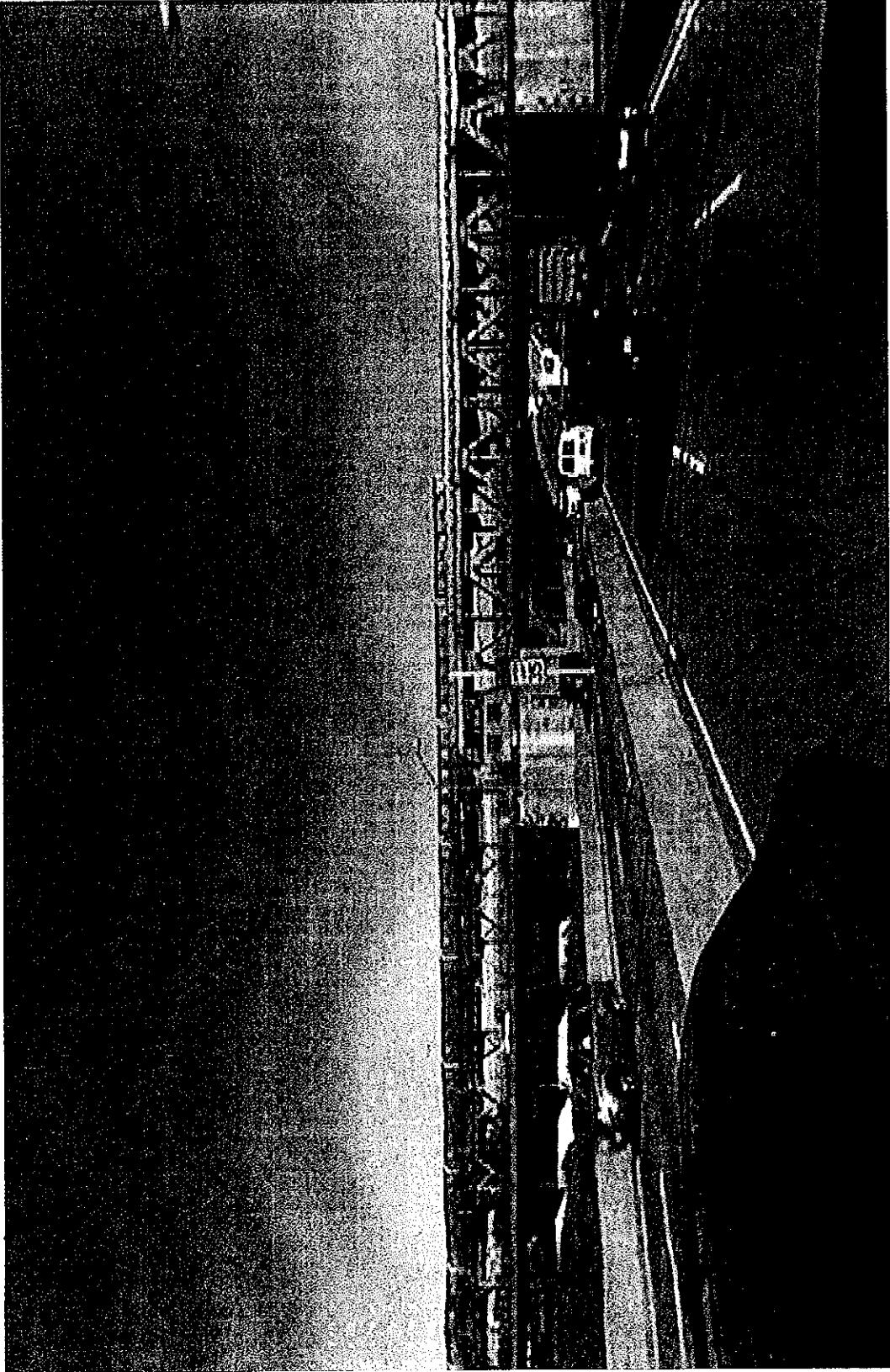
REI Project Schedule

- Constructability Review
- Pre-construction stage: 3 month period
- Start construction: May 2012
- Construction duration: 34 Months
- Construction end in Mid 2015
- Followed by 3 month close out period



REI Preferred Experience

- Experience with medium and large sized bridges
- Experience with NYS DOT and NYCDOT bridge rehabilitation projects
- Managing complex projects
- Working in highly populated areas
- Dealing with multiple agencies, including NYCT
- Dealing with community groups



THANK YOU

**RESIDENT ENGINEERING INSPECTION SERVICES
IN CONNECTION WITH
REHABILITATION OF THE ROOSEVELT AVENUE BRIDGE
OVER THE VAN WYCK EXPRESSWAY**

**CONTRACT NO.: HBQ1203A
PIN: 84110QUBR437**

Pre-Proposal Conference
SIGN - IN SHEET

Thursday, May 6, 2010 @ 1:00pm
55 Water Street, Ground Floor Bid Room A&B

PLEASE PRINT NAME:	REPRESENTING:	TELEPHONE #:
Vincent D'Alessandro	B&H Eng.	718-747-7575
Rafael DeSoto	Hardesty & Hanover	212-644-1150
Obioma Oti	Kupper/Sm +	973 242 1033
Sarwat Ishaq	SI Engineering, P.C. ^{DBE}	212-354-5939
Muhamamad Iqbal	" " (DBE)	" - " - "
Thomas Donnelly	HDR	212 542-6020
J. EVANS POLSYRES	G&B ENG.	516-222-4522
Roni Weisman	HDR	212-758-1066
MIKE BAILEY	CIRO	516-958-5476
Grady Calpin	URS	570 963 7713
Thomas Mellett	STV	212 964 4500
SAUDRA Langford	Quic, Inc	609 234 4379
GREGORY ZENK	GPI	(631) 761-7368
Jim VALENTI	GPI	(631) 587-5060
Kanika Jawa	AI Engineers	(212) 760-2423
Parmjit Sahani	"	"
Mohamed Omar Mohamed	URS	(917) 882-3326
MAZHER USMANI	DEWBEERY	(212) 685-0900
PHILLIP COLLIN	HNTB	212 4594 9717
Peter Pappas	WSP-Sells	914 747-1120

**RESIDENT ENGINEERING INSPECTION SERVICES
IN CONNECTION WITH
REHABILITATION OF THE ROOSEVELT AVENUE BRIDGE
OVER THE VAN WYCK EXPRESSWAY**

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SIGN - IN SHEET**

**Thursday, May 6, 2010 @ 1:00pm
55 Water Street, Ground Floor Bid Room A&B**

PLEASE PRINT NAME:	REPRESENTING:	TELEPHONE #:
SAMUEL R. SCOZZARI	STV	646-354-9632
MUHAMMAD SIDDIQU	SIMCO	212-385-8100
AJEAZ A. QURESHI	INFRA TECH ENGS.	212-514-7500
DIEGO ALAIMO	KSENGINEER	212 616-2657
DAN McLOUGHLIN	MJT ENGINEERS	718 525 5500
Ayman Baki	Tectonic	718 640 1000
BRENDAN O'SHEA	HARDESTY & HANOVER	908-208-2632
Sue Bayat (DBE)	EnTech Engineering	646 722-0000
Moh LONGI (DBE)	LONGI ENG.	212-997-9444
Shehnaaz Khan	Afridi Associates	631-465-0786
PAUL CAVOTA	HAKS	212 242-1997
Alberto Villaman	HAKS	212-747-1997
SAM Summerelle	WAF	212 367-3062
GEORGE PAPPAS	V	212-367-2854
Lucius Riccio	Gordon LLC	917-576-3147
SYED HAIDER	HAIDER ENGS	516-378-2278
ARSALAN GILANI	FASTECH	201-345-4647
Farah Gilani	FASTECH	201-345-4647

**THE CITY OF NEW YORK
DEPARTMENT OF TRANSPORTATION
DIVISION OF BRIDGES**

ACKNOWLEDGEMENT RECEIPT OF ADDENDUM #1

**Resident Engineering Inspection Services In Connection
With Rehabilitation of the Roosevelt Avenue Bridge
Over the Van Wyck Expressway
PIN: 84110QUBR437**

Addendum #1

TOGETHER WITH ALL WORK INCIDENTAL THERETO

I, _____

(NAME AND TITLE)

**A duly authorized representative of
(NAME OF PROPOSERS)**

Acknowledge receipt of Addendum No. 1 dated May 17, 2010 for the Contract No. HBQ1203A